

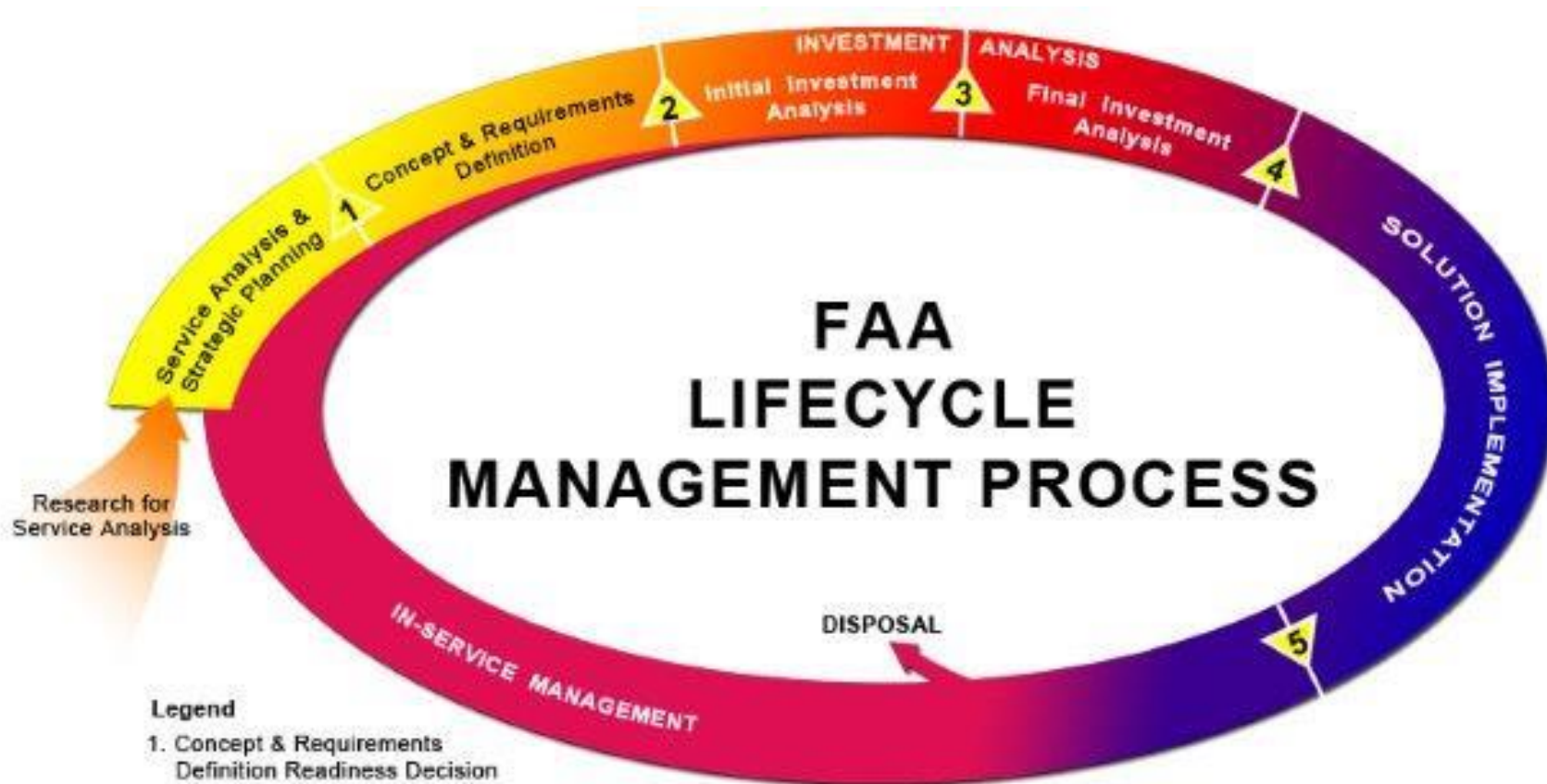
FAA Acquisition Management System



Federal Aviation
Administration

Presented by: David Ingram, Director
Acquisition Policy & Oversight, AAP-1





Legend

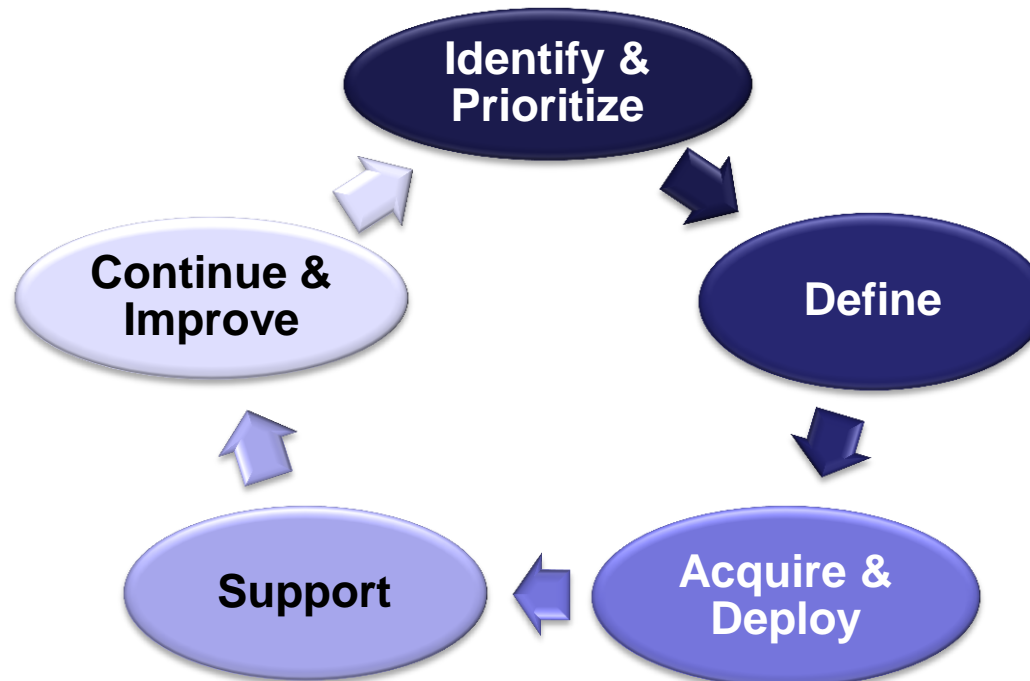
1. Concept & Requirements Definition Readiness Decision
2. Investment Analysis Readiness Decision
3. Initial Investment Decision
4. Final Investment Decision
5. In-Service Decision



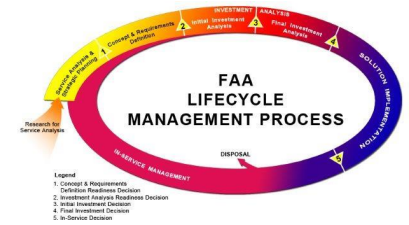
Role of AMS



Establishes policy and guidance by which the FAA identifies, defines, acquires, deploys, and manages over their lifecycle the systems, facilities, services, and infrastructure needed to fulfill its mission



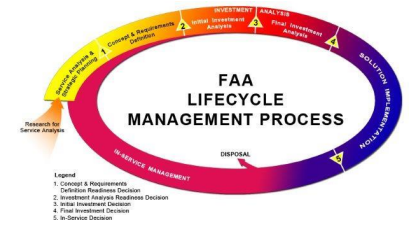
AMS Outcomes



- AMS establishes a strong preference for competition
 - Competitive procurement under AMS is less burdensome and quicker than justifying and awarding a single source
 - Large majority of contracting actions and dollars competitively awarded under AMS
 - AMS has produced similar or better competition results as compared to other large agencies
- The FAA exceeds the OMB Government Medians for:
 - CO certifications
 - Cost-to-Spend ratio
 - One-bid rate
 - Small business goals
 - CPARS compliance



AMS Outcomes

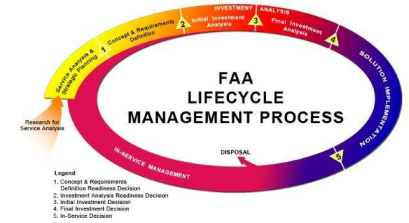


Baseline performance continues to improve

- **Pre-ATO** (1994 – 2004) Overall 38% cost growth & 25% schedule delay.
- **Post-ATO** (2004 – 2014) Overall 3.9% cost growth & 10.1% schedule delay. Programs with scope reductions not included in cost variance above otherwise overall cost growth would be 0.8%.
- *Primary factors for cost and schedule growth – up front requirements definition, cost and schedule estimates, and planning.*



2015 AMS Policy/Guidance Updates

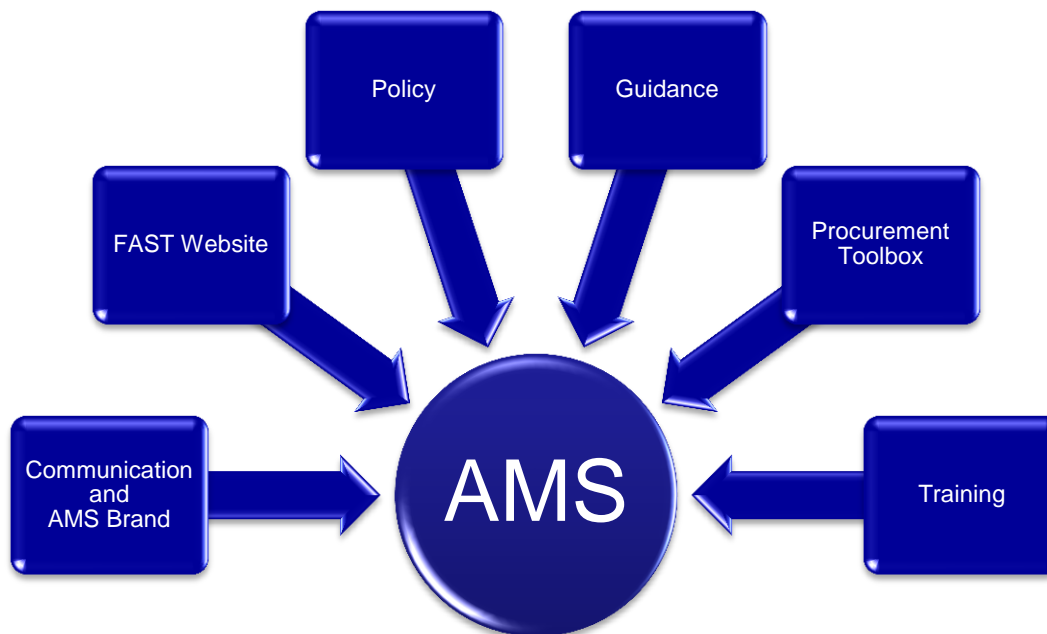


- Reestablished the **TEMP** and added the **PMP** as required AMS documents.
- Reinforced the Program Manager's **certification requirements** in the investment decision process.
- Updated the **Program Requirements** guidance addressing requirements allocated by the enterprise to another program and added the Requirements Allocation Matrix.
- Revised the **Safety Risk Management Guidance to System Acquisition** to require a Comparative Safety Assessment prior to IID and a Preliminary Hazard Analysis prior to FID.





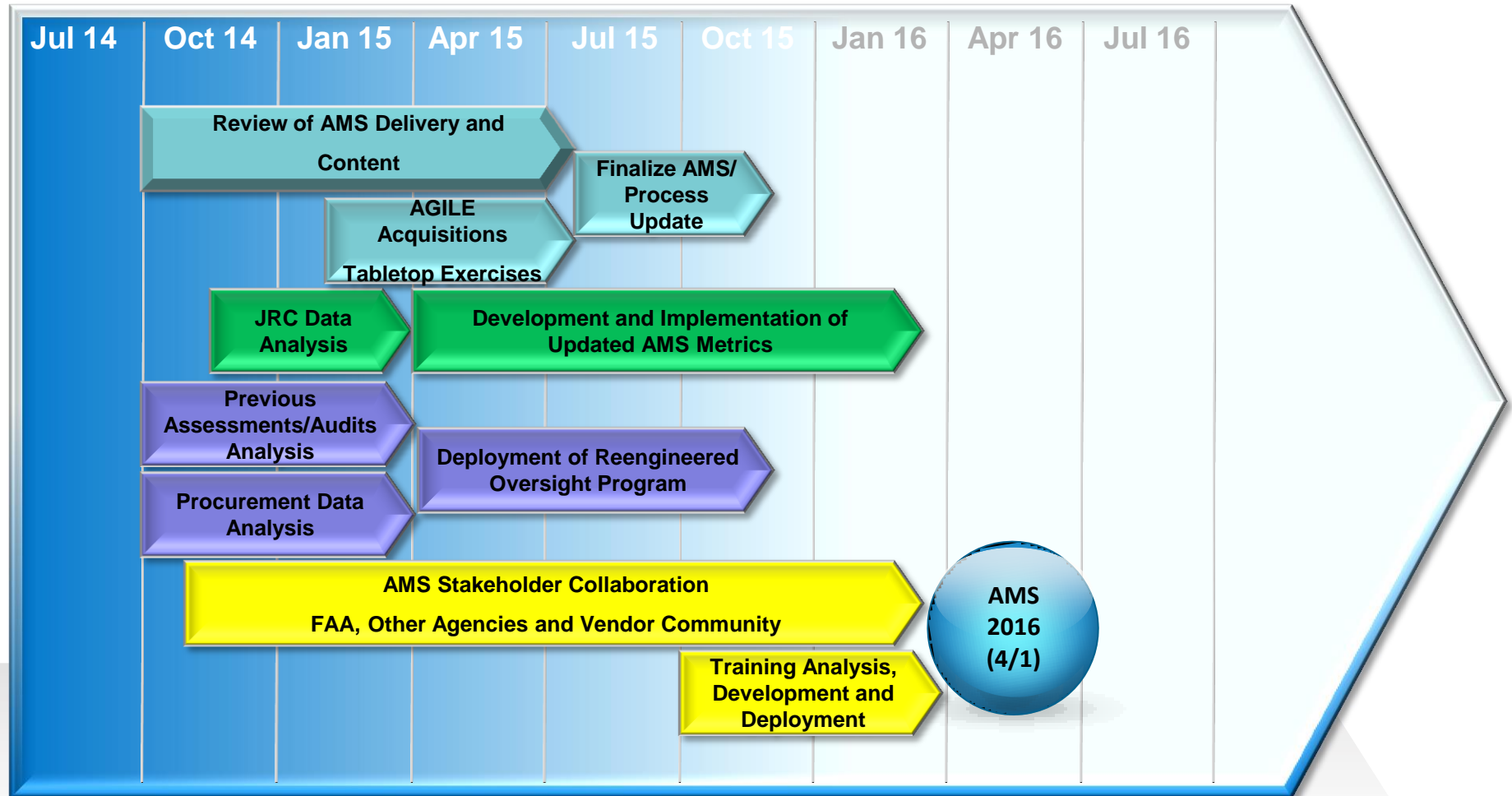
April 1, 2016



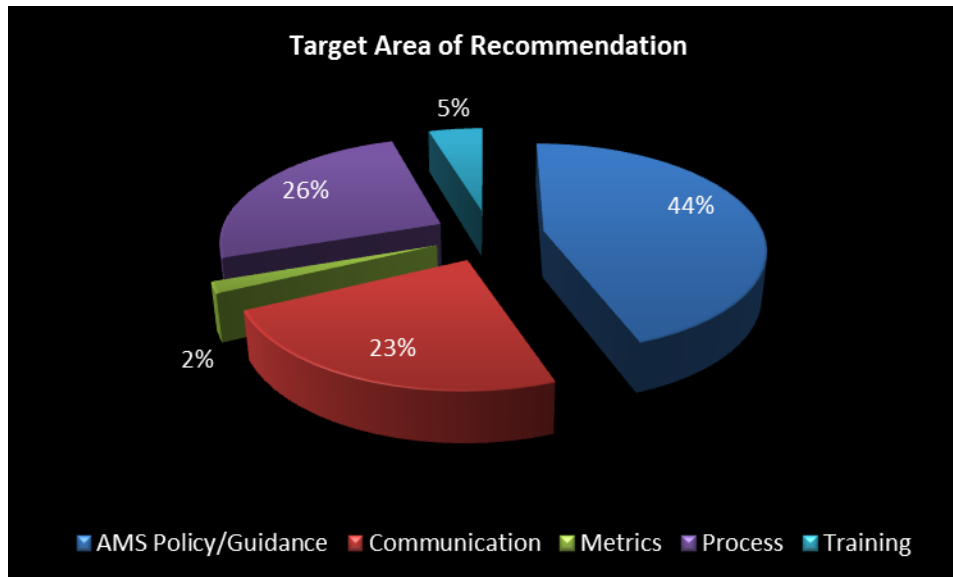
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Schedule

AMS 2016

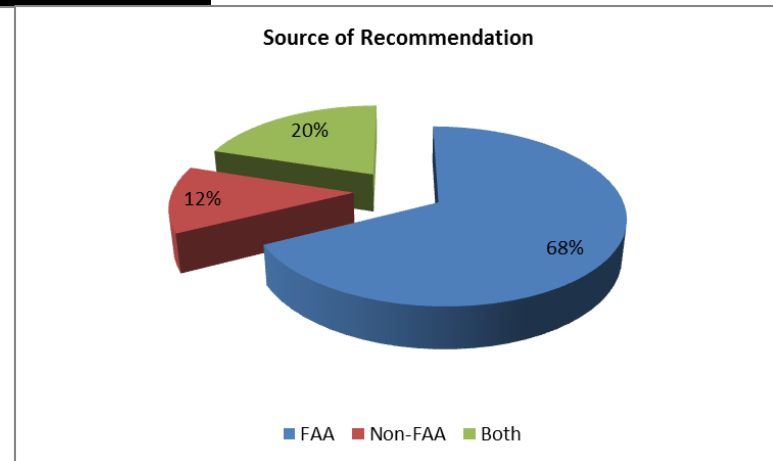
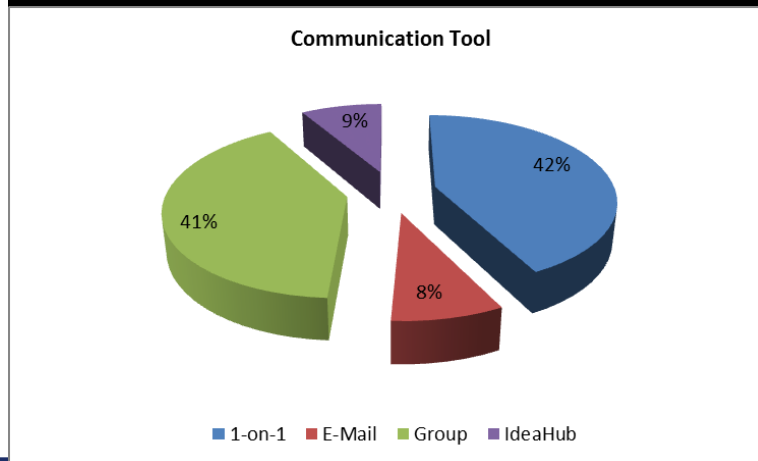


Stakeholder Recommendations



Total Submissions: 514

Associated Recommendations: 118



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Agile Acquisitions Project



A Collaborative Effort with MITRE

- Policy, Systems Engineering, ATO and IT Program Management, Finance, and Contracting are participating to assess the application of Agile acquisition principles, guidance, best practices, and methods.
 - Initial focus on Non-NAS IT
 - Potential recommendations for guidance in the April 2016 AMS update.



ACAT Study



- **Background:** Acquisition Categories (ACATs) were established in 2009 and later supplemented with the introduction of Investment Types in 2012 with the goal of providing the proper governance based on the program's size and complexity.
- **Objective:** Determine the actual durations of programs in the investment decision process from 2009 to 2014 and compare with the findings with earlier studies.

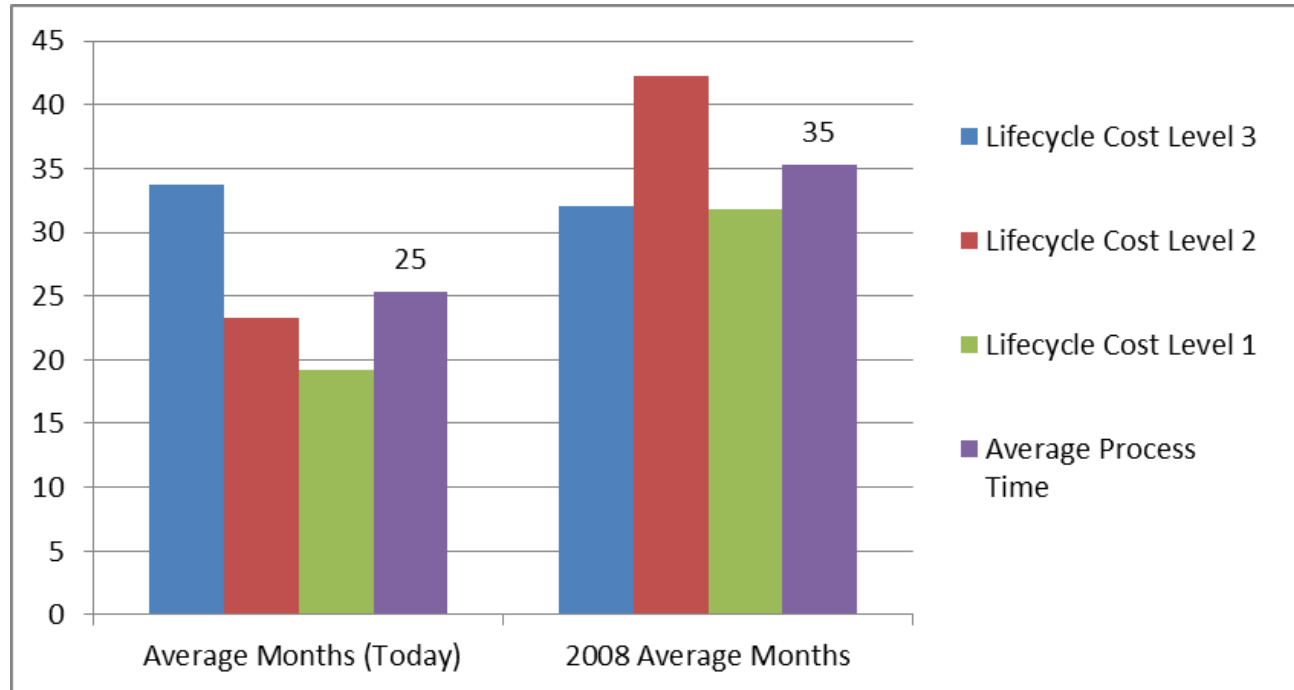


ACAT Study Findings



Average Duration through AMS compared to the 2008 Evaluation of Lifecycle Cost Levels

- 35 months (2008)
- 25 months (Today)



Acquisition Challenges

- Greater reductions in average duration through AMS
- Right-sizing business case development
- Fear of oversight (or protests) getting in the way of doing what is right



Acquisition Workforce Development



FY15 Acquisition Workforce Development Updates

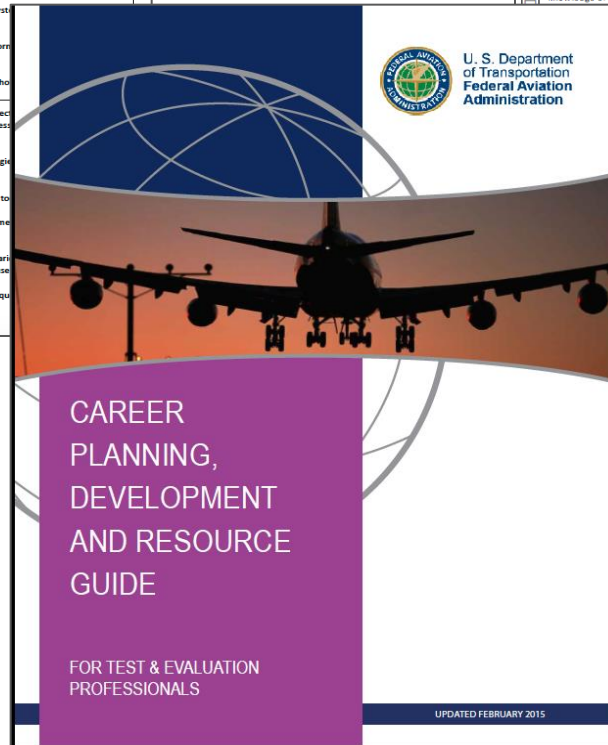
- T&E certification program
 - No curriculum changes
 - Implemented leadership development at level III
 - New workforce development tools / resources
- Updated community portal (new look – Oct 2016)
- Fielded new T&E course
 - Test and evaluation across the AMS lifecycle



Workforce Development Tools

DATA COLLECTION, ANALYSIS AND REPORTING
DEFINITION: Ability to identify, systematically collect, and organize relevant data. Ability to apply quantitative and qualitative data analysis tools, techniques, and technologies in order to make logical interpretations, conclusions, and inferences from the data and report findings to characterize system performance and risks.
ADVANCED Level Performance Indicators
Evaluates and determines based on available data sets and analysis tools whether alternative sources, tools, techniques, or technologies should be used
Develops innovative data collections tools, techniques, and methods
Directs analytical processes used to analyze data, draw conclusions, make revisions, and articulates system ensuring project objectives are met
Educates and mentors others on data analysis tools, techniques, and methodologies and guides the form interpretation
Presents and accurately conveys complex data analysis findings, implications, and limitations to stakeholder degrees of technical knowledge with the topic/subject
<ul style="list-style-type: none"> Share with your team your processes for evaluating the effectiveness of data sources and for collecting the team to discuss challenges and obstacles they might encounter when implementing the process, overcoming the challenges Collaborate with colleagues to develop robust criteria to evaluate tools, techniques and technologies. Document and publish the criteria so that others can use it in the future Charter a small work group to research and identify best practices and innovative data collection to the FAA. Have a panel vote on Most Innovative. Formally recognize the winning ideas Create a competition to generate creative and innovative T&E data collection tool, technique or method the FAA. Have a panel vote on Most Innovative. Formally recognize the winning ideas Work with one or two mid-level T&E specialists to identify the types of T&E data needed at the various project lifecycle. Have the specialists summarize and publish the information so that others can use Work with a mid-level systems engineer to create a workshop that discusses the tools and techniques analyze data at the various T&E phases of a project

Development Activity
Guide



Career Guide


COMPETENCY: ACQUISITION AND CONTRACTS		
DEFINITION: Knowledge of the FAA Acquisition Management System (AMS), solicitation, negotiation, development, selection, and administration of contracts/services in compliance with: public law, executive orders, and other applicable regulations, policies, and requirements. Ability to incorporate the defined T&E approach in the solicitation and contractual documents.		
Basic	Intermediate	Advanced
<input type="checkbox"/> Reviews Acquisition documents (i.e. specifications, Statements of Work (SOW)) and applies the understanding of the documents to T&E process activities <input type="checkbox"/> Applies basic understanding and knowledge of AMS and how this applies to T&E processes, procedures, and processes <input type="checkbox"/> Test lead when processes strategies are not a new system is identified	<input type="checkbox"/> Adheres to the FAA AMS associated with T&E programs <input type="checkbox"/> Supports the preparation and implementation of an acquisition strategy <input type="checkbox"/> Reviews the implementation of an acquisition strategy with an on-going risk/opportunity management process <input type="checkbox"/> Develops source selection criteria, including risk analysis methods related to the acquisition of products and services <input type="checkbox"/> Supports AMS process including contracting/project/testing/proposal review, document development and final documentation	<input type="checkbox"/> Ensures compliance with AMS and recommends tailoring of AMS processes to meet specific program needs <input type="checkbox"/> Approves or recommends for approval acquisition contract/project/testing document development and final documentation within AMS <input type="checkbox"/> Provides recommendations for the acquisition strategy and entrance and exit criteria for the T&E Acquisition phases <input type="checkbox"/> Evaluates an acquisition strategy that identifies areas of risk; incorporates risk mitigation strategies <input type="checkbox"/> Applies FAA Acquisition policies to meet user/mission requirements when engaged in the acquisition of products and services <input type="checkbox"/> Identifies new testing strategies as the acquisition process progresses, test strategies are no longer valid, or if a new system performance risk is identified
If competency, when you have experience in at least 80% of the performance indicators at a particular level, check the appropriate box below to help you track your progress. <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> <input type="checkbox"/> </div>		

Competency
Experience Checklist



Acquisition Professions Portal


<https://ksn2.faa.gov/faq/AcquisitionProfessions/Pages/Default.aspx>

**FAA Acquisition Professions**
Online Community

FAA - Home - COR - CO/S - ILS - P/PM - R&E - RECO - T&E -

FAA Migration to FAITAS Today

Effective October 1, 2015, FAA is moving to FAITAS for certification processing. Acquisition Workforce Members in COR, CO and P/PM professions are required to create a profile in FAITAS [Click Here to Learn More.](#)



ACM Acquisition Training

- ACM Acquisition Training Schedule
- Acquisition Training Catalog
- FAI ACM Training Points of contacts

Quick Links

- Acquisition Career Program Policy
- FAA Acquisition System Toolset (FAST)
- Acquisition Practices
- eLMS
- Skillssoft online course catalog
- FAI Training
- DAU Training Center
- FAITAS



Professional Development Process


The development process outlines five basic steps. You should move iteratively through the steps, especially as you take on new roles and responsibilities.

- 01 Understand Role and Profession
- 02 Plan Development
- 03 Pursue Development
- 04 Obtain and Maintain Certification
- 05 Continue to Develop

Leadership Tools

- Videos**
Harvard Business School professor Amy Cuddy shares how "power posing" can impact your chances of success. (~20 min)
- Tools**
Learn about your personal communication style by taking the Communications Style Assessment. Understand the four basic communication styles and how you can be most effective communicating.
- Readings**
The American Management Association article published September 18, 2014 offers "10 Powerful Body Language Tips" to increase nonverbal impact in the workplace.


Executive Corner



Nathan Tash,
FAA Acquisition Executive

"FAAs complex acquisitions require a highly skilled, flexible workforce. Use the development tools and resources included in this portal to expand your skills and knowledge."

Acquisition Workforce Plan





T&E Community Portal

https://ksn2.faa.gov/faq/AcquisitionProfessions/Pages/TE_Home.aspx

FAA Acquisition Professions
Online Community

FAA Home - COR - CO/S - ILS - P/PM - R&E - RECO - T&E -

TEST & EVALUATION PROFESSION PORTAL

FAA LIFECYCLE MANAGEMENT PROCESS

TE Home Competencies Competency Based Tools Certification Requirements

Get TE Certified

1. Access your certification application
 - TE Certification Application Level I
 - TE Certification Application Level II
 - TE Certification Application Level III
2. Provide Experience Documentation
 - Competency Experience Checklist
 - Competency Narrative
 - Resume
3. Attach Training Documentation
 - eLMS history or certificates
 - Leadership Development

Did You Know?

Employee Spotlight

Employee Name

Coming Soon

T&E Quick Links

- Acquisition Career Program Policy
- DAU Training Center
- eLMS



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FY 16 T&E Certification Program Plans

- T&E certification application streamlining
- Community awareness / outreach sessions
- Refresh certification requirements & training courses



Questions?

